PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

							
Applicant's or agent's file reference	FOR FURTHER ACTIO	N See Form PC	СТ/ГРЕА/416				
9135WO/PT	I de la companya de l		District Law (day (asset) have)				
International application No.	International filing date (day		Priority date (day/month/year)				
PCT/SE2003/001615	20-10-2003		22-10-2002				
International Patent Classification (IPC) or national classification and IPC HO1B 9/02, C08K 3/00							
HOLD 9/02, COOK 3/00							
Applicant							
ABB Research Ltd et a	.1						
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 							
2. This REPORT consists of a total of 3 sheets, including this cover sheet.							
3. This report is also accompanied b	y ANNEXES, comprising:						
a. (sent to the applicant	t and to the International Rure	au) a total of	sheets, as follows:				
<u></u>	a. (sent to the applicant and to the International Bureau) a total of sheets, as follows: sheets of the description, claims and/or drawings which have been amended and are the basis of this report						
and/or sheets			nority (see Rule 70.16 and Section 607 of the				
		which this Authorit	y considers contain an amendment that goes				
beyond the di	isclosure in the international a		as indicated in item 4 of Box No. 1 and the				
Supplementa	I Box.						
b (sent to the Internation	onal Bureau only) a total of (in	* *					
containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the							
Administrative Instru			Solution Distribution and the second				
4. This report contains indications re	elating to the following items:						
Box No. I Basis o	f the report						
Box No. II Priority	,						
Box No. III Non-es	tablishment of opinion with re	egard to novelty, in	ventive step and industrial applicability				
Box No. IV Lack of	funity of invention						
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement							
Box No. VI Certain	documents cited						
Box No. VII Certain	defects in the international ap	al application					
Box No. VIII Certain	observations on the internation	onal application					
Date of submission of the demand		ate of completion o	f this report				
18-05-2004		2-02-2005					
Name and mailing address of the IPEA/SE		thorized officer					
Patent- och registreringsverket Box 5055							
S-102 42 STOCKHOLM	E	rik Milian	nder/MN				
Facsimile No. +46 8 667 72 88			8 782 25 00				

Form PCT/IPEA/409 (cover sheet) (January 2004)

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001615

Box	No. I	Basis of the report					
1.		egard to the language, this report is based on the international application in the language in which it was filed, unless ise indicated under this item.					
This report is based on a translation from the original language into the following language which is the language of a translation furnished for the purposes of:							
		international search (under Rules 12.3 and 23.1(b))					
	publication of the international application (under Rule 12.4)						
		international preliminary examination (under Rules 55.2 and/or 55.3)					
2.	With regard to the elements of the international application, this report is based on (replacement sheets which have be furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally file and are not annexed to this report):						
	\boxtimes	the international application as originally filed/furnished					
	\sqcap	the description:					
		pages as originally filed/furnished					
		pages* received by this Authority on					
		pages* received by this Authority on					
		the claims:					
		pages as originally filed/furnished					
		pages* as amended (together with any statement) under Article 19					
		pages* received by this Authority on					
		pages* received by this Authority on					
		the drawings:					
		pages as originally filed/furnished					
		pages* received by this Authority on					
		pages* received by this Authority on					
		a sequence listing and/or any related table(s) see Supplemental Box Relating to Sequence Listing.					
3.		The amendments have resulted in the cancellation of:					
		the description, pages					
		the claims, Nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to the sequence listing (specify):					
4.		This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).					
		the description, pages					
		the claims, Nos.					
		the drawings, sheets/figs					
		the sequence listing (specify):					
		any table(s) related to the sequence listing (specify):					
	lf ion-	4 applies, some or all of those sheets may be marked "superseded."					
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INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/SE2003/001615

Box No.	V Reasoned statement us citations and explanat			entive step or industrial applicability	y;
1. State	ment				
1	Novelty (N)	Claims Claims	1-13		YES NO
I	inventive step (IS)	Claims Claims	1-13		YES NO
I	Industrial applicability (IA)	Claims Claims	1-13		YES"

2. Citations and explanations (Rule 70.7)

Documents cited in the International Search Report:

D1: JP10116702 A D2: US2002070428 A1

D3: Onneby, C. et al., "Electrical properties of field grading materials influence silicon carbide grain size", Solid Dielectrics, 2001. ISCD '01. Proceedings IEEE 7th International Conference, pages 43-45, ISBN:0-7803-6352-3

The cited documents represent the general state of the art. The invention defined in claims 1-13 is not disclosed by any of these documents.

The cited prior art does not give any indication that would lead a person skilled in the art to the claimed field grading material with a filler of grain size <100 nm. Therefore, the claimed invention is not obvious to a person skilled in the art.

Accordingly, the invention defined in claims 1-13 is novel and is considered to involve an inventive step. The invention is industrially applicable.